

ccccgccgtg agtgagctct caccacagtc agccaaatga gcctcttcgg gcttctcctg 60  
 gtgacatctg ccctggccgg ccagagacga gggactcagg cggaatccaa cctgagtagt 120  
 aattccagt ttccagcaa caaggaacag aacggagtac aagatcctca gcatgagaga 180  
 attattactg tgtctactaa tgggaagtatt cacagcccaa ggtttctca tacttatcca 240  
 agaaatocgg tcttggtatg gagattagta gcagtagagg aaaatgtatg gatacaactt 300  
 acgtttgatg aaagatttgg gcttgaagac ccagaagatg acatatgcaa gtatgatttt 360  
 gtagaagtig aggaaccag tgaatgaact atattagggc gctgggtgtg ttctgggtact 420  
 gtaccaggaa aacagatttc taaaggaaat caaattagga taagatttgt atctgatgaa 480  
 tattttcctt ctgaaccagg gttctgcata cactacaaca ttgcatgcc acaattcaca 540  
 gaagctgtga gtccttcagt gctacccct tcagctttgc caetggacct gcttaataat 600  
 gctataactg cctttaglac ctgggaagac ctatttcgat atcttgaacc agagagatgg 660  
 cagttggact tagaagatct atotaggcca acttggcaac ttcttggcaa ggcttttgtt 720  
 ttgggaagaa aatccagagt ggtggatctg aaccttctaa cagaggaggt aagattatc 780  
 agctgcacac ctgtaactt ctcaagtgc ataaggggaag aactaaagag aaccgatacc 840  
 attttctggc caggttgtct cctgggttaa cgctgtggtg ggaactgtgc ctgttgtctc 900  
 caaatgtca atgaatgtca atgtgtccca agcaaagtta ctaaaaata ccacgaggtc 960  
 ctacagttga gaccaagac cgggtgtcagg ggattgcaca aatcactcac cgacgtggcc 1020  
 ctggagcacc atgaggagtg tgactgtgtg tgcagaggga gcacaggagg atagccgcct 1080  
 caccaccagc agctcttgcc caafctgtg cagtgcagtg gctgattcta tttagagaacg 1140  
 tatgcgttat ctccatcctt aatctcagtt gtttgcctca aggaccttct atcttcagga 1200

FIG. 1A

ttacagtgt attctgaaag aggagacatc aaacagaatt aggacttgtg caacagctct 1260  
 ttgagagga ggcctaagg acaggagaaa aggtcttcaa tcgtggaag aaaattaaat 1320  
 gttgtattaa atagatcacc agctagtctc agagtcacca tgtacgtatt ccactagctg 1380  
 ggttctgtat ttcagttctt tcgatacggc ttagggtaat gtcagtlacag gaaaaaaact 1440  
 gtgcaagtga gcacctgatt ccgttgccct gcttaactct aaagctccat gtcctgggcc 1500  
 taaaatcgta taaaatctgg attttttttt ttttttttgc tcatattcac atatgtaaac 1560  
 cagaacattc tatgtactac aaacctgggt tttaaaaagg aactatgttg ctatgaatta 1620  
 aacttgtgtc rtgctgatag gacagactgg atttttcata ttctttatta aaatttctgc 1680  
 cattagaag aagagaacta cattcatggt ttggaagaga taaacctgaa aagaagagtg 1740  
 gccttatcct cactttatcg ataagtgaat ttatttggtt catttgttac atttttatat 1800  
 tctccttttg acattataac tgttggtctt tctaactctg ttaaatatat ctatttttac 1860  
 caaaggtatt taatattctt ttttatgaca acttagatca actattttta gcttggttaa 1920  
 tttttctaaa cacaattggt atagccagag gaacaaagat ggaatataaaa atattgttgc 1980  
 cctggacaaa aatacatgta tntccatccc ggaatggtgc tagagttgga ttaaacctgc 2040  
 attttaaaaa acctgaattg ggaonggaan ttggttaagg ttggccaaanc ttttttgaaa 2100  
 ataattaa 2108

FIG. 1B

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ser | Leu | Phe | Gly | Leu | Leu | Leu | Cal | Thr | Ser | Ala | Leu | Ala | Gly | Gln | 1   | 5   | 10  | 15  |
| Arg | Arg | Gly | Thr | Gln | Ala | Glu | Ser | Asn | Leu | Ser | Ser | Lys | Phe | Gln | Phe | 20  | 25  | 30  |     |
| Ser | Ser | Asn | Lys | Glu | Gln | Asn | Gly | Val | Gln | Asp | Pro | Gln | His | Glu | Arg | 35  | 40  | 45  |     |
| Ile | Ile | Thr | Val | Ser | Thr | Asn | Gly | Ser | Ile | His | Ser | Pro | Arg | Phe | Pro | 50  | 55  | 60  |     |
| His | Thr | Tyr | Pro | Arg | Asn | Thr | Val | Leu | Val | Trp | Arg | Leu | Val | Ala | Val | 65  | 70  | 75  | 80  |
| Glu | Glu | Asn | Val | Trp | Ile | Gln | Leu | Thr | Phe | Asp | Glu | Arg | Phe | Gly | Leu | 85  | 90  | 95  |     |
| Glu | Asp | Pro | Glu | Asp | Asp | Ile | Cys | Lys | Gly | Asp | Phe | Val | Glu | Val | Glu | 100 | 105 | 110 |     |
| Glu | Pro | Ser | Asp | Gly | Thr | Ile | Leu | Gly | Arg | Trp | Cys | Gly | Ser | Gly | Thr | 115 | 120 | 125 |     |
| Val | Pro | Gly | Lys | Gln | Ile | Ser | Lys | Gly | Asn | Gln | Ile | Arg | Ile | Arg | Phe | 130 | 135 | 140 |     |
| Val | Ser | Asp | Glu | Tyr | Phe | Pro | Ser | Glu | Pro | Gly | Phe | Cys | Ile | His | Tyr | 145 | 150 | 155 | 160 |
| Asn | Ile | Val | Met | Pro | Gln | Phe | Thr | Glu | Ala | Val | Ser | Pro | Ser | Val | Leu | 165 | 170 | 175 |     |
| Pro | Pro | Ser | Ala | Leu | Pro | Leu | Asp | Leu | Leu | Asn | Asn | Ala | Ile | Thr | Ala | 180 | 185 | 190 |     |
| Phe | Ser | Thr | Leu | Glu | Asp | Leu | Ile | Arg | Tyr | Leu | Glu | Pro | Glu | Arg | Trp | 195 | 200 | 205 |     |
| Gln | Leu | Asp | Leu | Glu | Asp | Leu | Tyr | Arg | Pro | Thr | Trp | Gln | Leu | Leu | Gly | 210 | 215 | 220 |     |
| Lys | Ala | Phe | Val | Phe | Gly | Arg | Lys | Ser | Arg | Val | Val | Asp | Leu | Asn | Leu | 225 | 230 | 235 | 240 |
| Leu | thr | Glu | Glu | Val | Arg | Leu | Tyr | Ser | Cys | Thr | Pro | Arg | Asn | Phe | Ser | 245 | 250 | 255 |     |
| Val | Ser | Ile | Arg | Glu | Glu | Leu | Lye | Arg | Thr | Asp | Thr | Ile | Phe | Trp | Pro | 260 | 265 | 270 |     |
| Gly | Cys | Leu | Leu | Val | Lys | Arg | Cys | Gly | Gly | Asn | Cys | Ala | Cys | Cys | Leu | 275 | 280 | 285 |     |

FIG. 2A

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Asn | Cys | Asn | Glu | Cys | Gln | Cys | Val | Pro | Ser | Lys | Val | Thr | Lys | Lys |
|     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |     |     |     |     |
| Tyr | His | Glu | Val | Leu | Gln | Leu | Arg | Pro | Lys | Thr | Gly | Cal | Arg | Gly | Leu |
| 305 |     |     |     |     | 310 |     |     |     |     | 315 |     |     |     |     | 320 |
| His | Lys | Ser | Leu | Thr | Asp | Val | Ala | Leu | Glu | His | His | Glu | Glu | Cys | Asp |
|     |     |     |     | 325 |     |     |     |     | 330 |     |     |     |     | 335 |     |
| Cys | Val | Cys | Arg | Gly | Ser | Thr | Gly | Gly |     |     |     |     |     |     |     |
|     |     |     | 340 |     |     |     |     | 345 |     |     |     |     |     |     |     |

FIG. 2B

cgggtaaatt ccagttttcc agcaacaagg aacagaacgg agtacaagat cctcagcatg 60  
 agagaattat tactgtgtct actaatggaa gtattcacag cccaagggtt cctcatactt 120  
 atccaagaaa tacggctctg gtatggogat tagtagcagt agaggaaaat gtatggatat 180  
 aacttacgtt tgotgaaaga tttgggcttg aagacccaga agatgacata tgcaagtatg 240  
 attttgtaga agttgaggaa cccagtgatg gaactatatt agggcgctgg tgtggttctg 300  
 gtactgtacc aggaaaacag atttctaag gaaatcaaat taggataaga tttgtatctg 360  
 atgaatattt tccttctgaa ccagggttct gcattccacta caacattgtc atgccacaat 420  
 tcacagaagc tgtgagtcct tcagtgtac ccccttcagc ttggccactg gacctgctta 480  
 ataattgctat aactgccttt agtaccttgg aagaccttat tcgatatctt gaaccagaga 540  
 gatggcagtt ggacttagaa gatctatata ggccaacttg gcaacttctt ggcaaggctt 600  
 ttgtttttgg aagaaaatcc agagtggtag atctgaacct tctaacagag gaggttaagat 660  
 tatacagctg cacacctcgt aacttctcag tgtccataag ggaagaacta aagagaaccg 720  
 ataccatttt ctggccaggt tgtctcctgg ttaaacgctg tggtaggaac tgtgcctggt 780  
 gtctccacaa ttgcaatgaa tgtcaatgtg tccaagcaa agttactaaa aaataccacg 840  
 aggtccttca gttgagacca aasaccggtg tcaggggatt gcacaaatca ctaccgacg 900  
 tggccctgga gcaccatgag gagtgtgact gtgtgtgtag agggagcaca ggaggatagc 960  
 cgcattacca ccagcagctc ttgccagag ctgtgcagtg cagtggctga ttctattaga 1020  
 gaacgtatgc gttatctcca tccttaattct cagttgtttg ctccaaggac ctttcatctt 1080  
 caggatttac agtgcattct gaaagaggag acatcaacaa gaattaggag ttgtgcaaca 1140  
 gctcttttga gaggaggcct aaaggacagg agaaaaggct tccaatcgtg gaaagaaaat 1200  
 taaatgttgt attaaataga tcaccagcta gtttcagagt taccatgtat gtattccact 1260  
 agctgggttc tgtatttcag ttctttcgat acggcttagg gtaattgtcag tacaggaaaa 1320  
 aaactgtgca agtgagcacc tgattccgtt gccttgctta actctaagc tccatgtcct 1380  
 gggcctaana tcgtataana tctggatttt tttttttttt ttgtctata ttacatatg 1440  
 taaccagaa cattctatgt actacaacc tggtttttaa aaaggaacta tgttgctatg 1500  
 aattaaactt gtgtcatgct gataggacag actgga 1536

FIG.3

Gly Lys Phe Gln Phe Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp  
 1 5 10 15  
 Pro Gln His Glu Arg Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His  
 20 25 30  
 Ser Pro Arg Phe Pro His Thr Tyr Pro Arg Asn The Val Leu Val Trp  
 35 40 45  
 Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp  
 50 55 60  
 Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp  
 65 70 75 80  
 Phe Val Glu Val Glu Glu Pro Ser Asp Gly The Ile Leu Gly Arg Trp  
 85 90 95  
 Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln  
 100 105 110  
 Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly  
 115 120 125  
 Phe Cys Ile His Tyr Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val  
 130 135 140  
 Ser Pro Ser Val Leu Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn  
 145 150 155 160  
 Asn Ale Ile Thr Ala Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu  
 165 170 175  
 Glu Pro Glu Arg Trp Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr  
 180 185 190  
 Trp Gln Leu Leu Glu Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val  
 195 200 205  
 Val Asp Leu Asn Leu Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr  
 210 215 220  
 Pro Arg Asn Phe Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp  
 225 230 235 240  
 the Ile Phe Trp Pro Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn  
 245 250 255  
 Cys Ala Cys Cys Leu His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser  
 260 265 270  
 Lys Val Thr Lys Lys Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr  
 275 280 285  
 Gly Val Arg Gly Leu His Lys Ser Leu Thr Asp Val Ala Leu Glu His  
 290 295 300  
 His Glu Glu Cys Asp Cys Val Cys Arg Gly Ser Thr Gly Gly  
 305 310 315

FIG.4

cacctggaga cacagaagag ggctctagga aaaattttgg atggggatta tgtggaact 60  
accctgcgat tctctgctgc cagagccggc caggeccttc caccgcgcg cagcctttcc 120  
ccgggctggg ctgagccttg gagtcgtgc tccccagtg cccgccgcga gtgagccctc 180  
gccccagtcg gccaaatgct cctcctcggc cctcctcggc ctctcctgc gctggccggc 240  
caaagaacgg ggactcgggc tgagtccaac ctgagcagca agttgcagct ctccagcgac 300  
aaggaacaga acggagtgcg agatccccgg catgagagag ttgtcactat atctggtaat 360  
gggagcatcc acagcccgaa gtttccctcat acgtacccaa gaaatatggt gctgggtgtgg 420  
agattagttg cagtagatga tatagtgcgg atccagctga catttgatga gagatttggg 480  
ctggaagatc cagaagacga tatatgcaag tatgattttg tagaagttga ggagcccagt 540  
gatggaagtg ttttaggacg ctgggtgtgt tctgggactg tgccaggaaa gcagacttct 600  
aaaggaaatc atatcaggat aagatttgta tctgatgagt attttccatc tgaacccgga 660  
ttctgcatcc actacagtat tatcatgcca caagtcacag aaaccacgag tccttcggtg 720  
ttgccccctt catctttgtc attggacctg ctcaacaatg ctgtgactgc cttcagtacc 780  
ttggaagagc tgattcggta cctagagcca gatcgatggc aggtggactt ggacagcctc 840  
tacaagccaa catggcagct tttgggcaag gctttcctgt atgggaaaaa aagcgaagtg 900  
gtgaatctga atctctcaa ggaagaggta aaactctaca gctgcacacc ccggaacttc 960  
tcagtgtcca tacgggaaga gctaaagagg acagatacca tattctggcc aggttgtttt 1020  
ctgggtcaagt gctgtggagg aaattgtgcc tgtgtctcc ataattgcaa tgaatgtcag 1080  
tgtgtccac gtaaagtta caaaaagtac catgaggtcc ttcagttgag accaaaaact 1140  
ggagtcaagg gattgcataa gtcactcact gatgtggctc tggaacacca cgaggaaatgt 1200  
gactgtgtgt gtagaggaaa cgcaggaggg taactgcagc cttcgtagca gcacacgtga 1260  
gactggcat tctgtgtacc cccacaagca accttcatcc ccaccagcgt tggccgcagg 1320  
gctctcagct gctgatgctg gctatggtaa agatcttact cgtctccaac caaattctca 1380  
gttgtttgct tcaatagcct tcccctgcag gaattcaagt gtcttctaaa agaccagagg 1440  
caccaanagg agtcaatcac aaagcactgc accg 1474

FIG.5

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Leu | Leu | Gly | Leu | Leu | Leu | Leu | Thr | Ser | Ala | Leu | Ala | Gly | Gln | 1   | 5   | 10  | 15  |
| Arg | Thr | Gly | Thr | Arg | Ala | Glu | Ser | Asn | Leu | Ser | Ser | Lys | Leu | Gln | Leu | 20  | 25  | 30  |     |
| Ser | Ser | Asp | Lys | Glu | Gln | Asn | Gly | Val | Gln | Asp | Pro | Arg | His | Glu | Arg | 35  | 40  | 45  |     |
| Val | Val | Thr | Ile | Ser | Gly | Asn | Gly | Ser | Ile | His | Ser | Pro | Lys | Phe | Pro | 50  | 55  | 60  |     |
| His | Thr | Tyr | Pro | Arg | Asn | Met | Val | Leu | Val | Trp | Arg | Leu | Val | Ala | Val | 65  | 70  | 75  | 80  |
| Asp | Glu | Asn | Val | Arg | Ile | Gln | Leu | Thr | Phe | Asp | Glu | Arg | Phe | Gly | Leu | 85  | 90  | 95  |     |
| Glu | Asp | Pro | Glu | Asp | Asp | Ile | Cys | Lys | Tyr | Asp | Phe | Val | Glu | Val | Glu | 100 | 105 | 110 |     |
| Glu | Pro | Ser | Asp | Gly | Ser | Val | Leu | Gly | Arg | Trp | Cys | Gly | Ser | Gly | Thr | 115 | 120 | 125 |     |
| Val | Pro | Gly | Lys | Gln | Thr | Ser | Lys | Gly | Asn | His | Ile | Arg | Ile | Arg | Phe | 130 | 135 | 140 |     |
| Val | Ser | Asp | Glu | Tyr | Phe | Pro | Ser | Glu | Pro | Gly | Phe | Cys | Ile | His | Tyr | 145 | 150 | 155 | 160 |
| Ser | Ile | Ile | Met | Pro | Gln | Val | Thr | Glu | Thr | Thr | Ser | Pro | Ser | Val | Leu | 165 | 170 | 175 |     |
| Pro | Pro | Ser | Ser | Leu | Ser | Leu | Asp | Leu | Leu | Asn | Asn | Ala | Val | Thr | Ala | 180 | 185 | 190 |     |
| Phe | Ser | Thr | Leu | Glu | Glu | Leu | Ile | Arg | Tyr | Leu | Glu | Pro | Asp | Arg | Trp | 195 | 200 | 205 |     |
| Gln | Val | Asp | Leu | Asp | Ser | Leu | Tyr | Lys | Pro | Thr | Trp | Gln | Leu | Leu | Gly | 210 | 215 | 220 |     |
| Lys | Ala | Phe | Leu | Tyr | Gly | Lys | Lys | Ser | Lys | Val | Val | Asn | Leu | Asn | Leu | 225 | 230 | 235 | 240 |
| Leu | Lys | Glu | Glu | Val | Lys | Leu | Tyr | Ser | Cys | Thr | Pro | Arg | Asn | Phe | Ser | 245 | 250 | 255 |     |
| Val | Ser | Ile | Arg | Glu | Glu | Leu | Lys | Arg | Thr | Asp | Thr | Ile | Phe | Trp | Pro | 260 | 265 | 270 |     |
| Gly | Cys | Leu | Leu | Val | Lys | Arg | Cys | Gly | Gly | Asn | Cys | Ala | Cys | Cys | Leu | 275 | 280 | 285 |     |

FIG. 6A



|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Asn | Cys | Asn | Glu | Cys | Gln | Cys | Val | Pro | Arg | Lys | Val | Thr | Lys | Lys |
|     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |     |     |     |     |
| Tyr | His | Glu | Val | Leu | Gln | Leu | Arg | Pro | Lys | Thr | Gly | Val | Lys | Gly | Leu |
| 305 |     |     |     |     | 310 |     |     |     |     | 315 |     |     |     |     | 320 |
| His | Lys | Ser | Leu | Thr | Asp | Val | Ala | Leu | Glu | His | His | Glu | Glu | Cys | Asp |
|     |     |     |     | 325 |     |     |     |     | 330 |     |     |     |     | 335 |     |
| Cys | Val | Cys | Arg | Gly | Asn | Ala | Gly | Gly |     |     |     |     |     |     |     |
|     |     |     | 340 |     |     |     |     | 345 |     |     |     |     |     |     |     |

FIG. 6B

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |     |     |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|-----|-----|
| hPDGF-C | M | S | L | F | G | L | L | V | T | S | A | L | A | G | Q | R | R | G | T | Q | A | E | S | N | L | S | S | K | F | Q | F | S | S | N | K | E | Q | N   | G   | 40  |     |
| mPDGF-C | M | L | L | L | L | L | L | L | T | S | A | L | A | G | Q | R | T | G | T | R | E | S | N | L | S | S | K | L | Q | L | S | S | O | K | E | O | N | G   | 40  |     |     |
| hPDGF-C | V | Q | O | P | O | H | E | R | L | L | T | V | S | T | N | G | S | I | H | S | P | P | F | P | H | T | Y | F | R | N | T | V | L | V | N | R | L | V   | A   | V   | 80  |
| mPDGF-C | V | Q | D | P | R | M | E | R | V | V | T | I | S | G | N | G | S | T | H | S | R | K | F | P | H | T | Y | F | R | N | M | V | L | V | N | R | L | V   | A   | V   | 80  |
| hPDGF-C | F | E | N | V | N | I | Q | L | T | F | D | E | R | F | G | L | E | D | P | E | D | I | C | K | Y | D | F | V | E | V | E | E | P | S | D | G | T | T   | S   | 120 |     |
| mPDGF-C | G | E | N | V | R | T | Q | L | T | F | D | E | R | F | G | L | E | D | P | E | D | I | C | E | Y | D | F | V | E | V | E | E | P | S | D | G | S | V   | S   | 120 |     |
| hPDGF-C | G | R | W | C | G | S | G | T | V | F | G | K | Q | I | S | K | G | N | O | I | R | I | R | F | V | S | D | E | Y | F | P | S | E | P | G | F | C | I   | H   | Y   | 160 |
| mPDGF-C | G | R | W | C | G | S | G | T | V | F | G | K | Q | T | S | K | G | N | H | I | R | I | R | F | V | S | D | E | Y | E | P | S | E | P | G | F | C | I   | H   | Y   | 160 |
| hPDGF-C | N | I | V | M | P | Q | T | E | A | V | S | P | S | V | L | P | P | S | S | L | P | L | D | L | N | N | A | I | T | A | F | S | T | L | F | D | L | I   | 200 |     |     |
| mPDGF-C | S | I | T | M | P | Q | T | E | T | S | P | S | V | L | P | P | S | S | L | S | L | D | L | N | N | A | V | T | A | F | S | T | L | F | D | L | I | 200 |     |     |     |
| hPDGF-C | R | Y | L | E | P | F | R | W | Q | L | P | L | E | O | L | Y | E | F | T | W | Q | L | L | C | K | A | F | V | F | G | R | K | S | R | V | V | D | L   | N   | L   | 240 |
| mPDGF-C | R | Y | L | E | P | D | P | W | Q | V | P | L | P | S | L | Y | K | P | T | W | Q | L | L | G | F | A | F | L | Y | G | K | K | S | N | V | V | N | L   | N   | L   | 240 |
| hPDGF-C | L | T | E | E | V | R | L | Y | S | C | T | P | R | N | F | S | V | S | I | R | E | E | L | K | R | T | D | T | I | F | W | P | G | G | L | L | V | K   | R   | C   | 280 |
| mPDGF-C | L | K | F | F | V | K | L | Y | S | C | T | P | R | N | F | S | V | S | I | R | E | E | L | K | R | T | D | T | I | F | W | P | G | G | L | L | V | K   | R   | C   | 280 |
| hPDGF-C | G | G | N | C | A | C | C | L | R | N | C | N | E | C | Q | C | V | P | S | K | V | T | K | K | Y | H | E | V | L | Q | L | R | P | K | T | G | V | R   | G   | Y   | 320 |
| mPDGF-C | G | G | N | C | A | C | C | L | R | V | C | N | E | C | Q | C | V | P | R | K | V | T | K | K | Y | H | E | V | L | O | L | R | P | K | T | G | V | R   | G   | Y   | 320 |
| hPDGF-C | H | E | S | L | T | D | V | A | L | E | H | H | E | E | C | D | C | V | C | R | G | S | T | G | G |   |   |   |   |   |   |   |   |   |   |   |   |     |     | 345 |     |
| mPDGF-C | H | E | S | L | T | D | V | A | L | E | H | H | E | E | C | D | C | V | C | R | G | N | A | G | G |   |   |   |   |   |   |   |   |   |   |   |   |     |     | 345 |     |

FIG.7

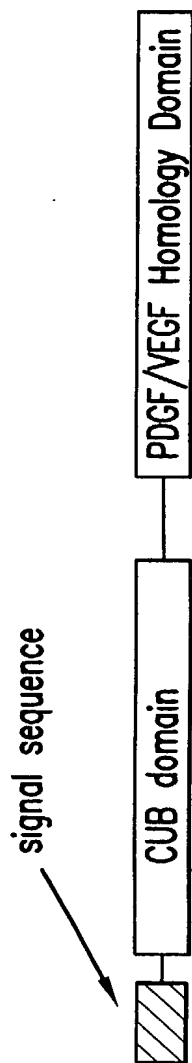


FIG.8

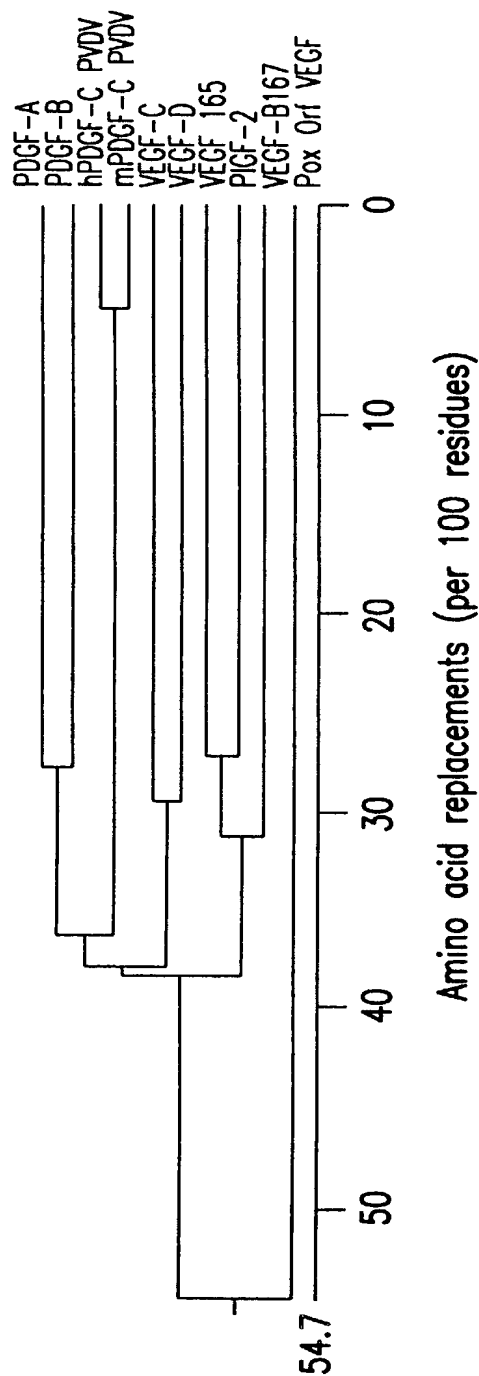


FIG.10

|              |   |     |
|--------------|---|-----|
| VEGF 165     | - - - - -   | 1   |
| PIGF-2       | - - - - -   | 1   |
| VEGF-B167    | - - - - -   | 1   |
| Pgx Crf VEGF | - - - - -   | 1   |
| VEGF-C       | M H L L G F F S V A C S L L A A A L L P G P R E A P A A A A | 30  |
| VEGF-D       | - - - - - M Y G E W G M G N I L M M F H                     | 15  |
| PDGF-A       | - - - - -   | 1   |
| PDGF-B       | - - - - -   | 1   |
| hPDGF-C PVDV | - - - - -   | 1   |
| mPDGF-C PVDV | - - - - -   | 1   |
|              |   |     |
| VEGF 165     | - - - - -   | 1   |
| PIGF-2       | - - - - -   | 1   |
| VEGF-B167    | - - - - -   | 1   |
| Pox Orf VEGF | - - - - -   | 1   |
| VEGF-C       | A F E S G L D L S D A E P D A G E A T A Y A S K D L E E Q L | 60  |
| VEGF-D       | V Y L V O G F R S E H G P Y K D F S F E R S S R S M L E R S | 45  |
| PDGF-A       | - - - - M R T L A C L L L L G C G Y L A N V L A E E A E I P | 26  |
| PDGF-B       | M N R C W A L F L S L C C Y L R L V S A E G D P I P E E L Y | 30  |
| hPDGF-C PVDV | - - - - - M P Q F T E A V S P S V L P P S A L P L D L L     | 23  |
| mPDGF-C PVDV | - - - - - M P Q V T E T T S P S V L P P S A L S L D L L     | 23  |
|              |   |     |
| VEGF 165     | - - - - - M N F L L S W V E W                               | 10  |
| PIGF-2       | - - - - - M P V M R L F P C F                               | 10  |
| VEGF-B167    | - - - - - M S P L L   | 5   |
| Pox Orf VEGF | - - - - -   | 1   |
| VEGF-C       | R S V S S V D E L M T V L Y P E Y W K M Y K C Q L R K G G W | 90  |
| VEGF-D       | E O O I R A A S S L E E L L O I A H S E D W K L W R C R L K | 75  |
| PDGF-A       | R E V I E R L A R S Q I H S I R D L Q R L L E I D S V G S E | 56  |
| PDGF-B       | E M L S D H S I R S F D D L O R L L H G D P - - - - G E E   | 55  |
| hPDGF-C PVDV | N N A I T A F S T L E D L I R Y L E P E R W Q L D L E D L Y | 53  |
| mPDGF-C PVDV | N N A V T A F S T L E E L I R Y L E P D R W Q V D L D S L Y | 53  |
|              |   |     |
| VEGF 165     | S L A L L L Y L H H A K W S Q A A P M A E G G G Q N H H E V | 40  |
| PIGF-2       | L Q L L A G L A L P A V P P Q Q W A L S A G N G S S E V E V | 40  |
| VEGF-B167    | R R L L L A A L L Q L A P A Q A P V S Q P D A P G H Q R K V | 35  |
| Pox Orf VEGF | - - - - - M K L L V G I L V A V C L H Q Y L L N A D S N T   | 24  |
| VEGF-C       | Q H N R E Q A N L N S R T E E T I K F A A A H Y N T E I - L | 119 |
| VEGF-D       | L K S L A S M D S R S A S H R S T R F A A T F Y D T E T - L | 104 |
| PDGF-A       | D S L D T S L R A H G V H - - A T K H V P E K R P L R I R R | 84  |
| PDGF-B       | D G A E L D L N M T R S H S G G E L E S L A R G R R S L G S | 85  |
| hPDGF-C PVDV | R P T W Q L L G K A F V F G R K S R - - - - - V V D L       | 75  |
| mPDGF-C PVDV | K P T W Q L L G K A F L Y G K K S K - - - - - V V N L       | 75  |

FIG. 9A

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| VEGF 165     | V | K | F | M | D | V | Y | O | R | S | Y | C | H | P | I | E | T | L | V | D | I | F | Q | E | Y | P | D | E | I | E | 70  |
| PIGF-2       | V | P | F | Q | E | V | W | G | R | S | Y | C | R | A | L | E | R | L | V | D | V | V | S | E | Y | P | S | E | V | E | 70  |
| VEGF-B167    | V | S | W | I | D | V | Y | T | R | A | T | C | Q | P | R | E | V | V | V | P | L | T | V | E | L | M | G | T | V | A | 65  |
| Pox Orf VEGF | K | G | W | S | E | V | L | K | G | S | E | C | K | P | R | P | I | V | V | P | V | S | E | T | H | P | E | L | T | S | 54  |
| VEGF-C       | K | S | I | D | N | E | W | R | K | T | Q | C | M | P | R | E | V | C | I | D | V | G | K | E | F | G | V | A | T | N | 149 |
| VEGF-D       | K | V | I | D | E | E | W | D | R | T | Q | C | S | P | R | E | T | C | V | E | V | A | S | E | L | G | K | T | T | N | 134 |
| PDGF-A       | K | R | S | I | E | E | A | V | P | A | V | C | K | T | R | T | V | I | Y | E | I | P | R | S | Q | V | D | P | T | S | 114 |
| PDGF-B       | L | T | I | A | E | P | A | M | I | A | E | C | K | T | R | T | E | V | F | E | I | S | R | R | L | I | D | R | T | N | 115 |
| hPDGF-C PVDV | N | L | L | T | E | E | V | R | L | Y | S | C | T | P | R | N | F | S | V | S | I | - | R | E | E | L | K | R | T | D | 104 |
| mPDGF-C PVDV | N | L | L | K | E | E | V | K | L | Y | S | C | T | P | R | N | F | S | V | S | I | - | R | E | E | L | K | R | T | D | 104 |

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| VEGF 165     | Y | I | F | K | - | - | P | S | C | V | P | L | M | R | C | G | G | - | - | - | C | C | N | D | E | G | L | E | C | V | 95  |
| PIGF-2       | H | M | F | S | - | - | P | S | C | V | S | L | L | R | C | T | G | - | - | - | C | C | G | D | E | D | L | H | C | V | 95  |
| VEGF-B167    | K | Q | L | V | - | - | P | S | C | V | T | V | Q | R | C | G | G | - | - | - | C | C | P | D | D | G | L | E | C | V | 90  |
| Pox Orf VEGF | Q | R | F | N | - | - | P | P | C | V | T | L | M | R | C | G | G | - | - | - | C | C | N | D | E | S | L | E | C | V | 79  |
| VEGF-C       | T | F | F | K | - | - | P | P | C | V | S | V | Y | R | C | G | G | - | - | - | C | C | N | S | E | G | L | Q | C | M | 174 |
| VEGF-D       | T | F | F | K | - | - | P | P | C | V | N | V | F | R | C | G | G | - | - | - | C | C | N | E | E | G | V | M | C | M | 159 |
| PDGF-A       | A | N | F | L | I | W | P | P | C | V | E | V | K | R | C | T | G | - | - | - | C | C | N | T | S | S | V | K | C | Q | 141 |
| PDGF-B       | A | N | F | L | V | W | P | P | C | V | E | V | Q | R | C | S | G | - | - | - | C | C | N | N | R | N | V | Q | C | R | 142 |
| hPDGF-C PVDV | T | I | F | - | - | W | P | G | C | L | L | V | K | R | C | G | G | N | C | A | C | C | L | H | N | C | N | E | C | Q | 132 |
| mPDGF-C PVDV | T | I | F | - | - | W | P | G | C | L | L | V | K | R | C | G | G | N | C | A | C | C | L | E | N | C | N | E | C | Q | 132 |

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|
| VEGF 165     | P | T | E | E | S | N | I | T | M | Q | I | M | R | I | K | - | - | P | H | Q | G | Q | - | - | - | - | - | - | H | I   | 117 |
| PIGF-2       | P | V | E | T | A | N | V | T | M | Q | L | L | K | I | R | - | - | S | G | D | R | P | - | - | - | - | - | S | Y | 117 |     |
| VEGF-B167    | P | T | G | Q | H | Q | V | R | M | Q | I | L | M | I | R | Y | - | P | S | S | Q | L | - | - | - | - | - | - | - | 111 |     |
| Pox Orf VEGF | P | T | E | E | V | N | V | S | M | E | L | L | G | A | S | G | S | G | S | N | G | M | Q | - | - | - | - | R | L | 104 |     |
| VEGF-C       | N | T | S | T | S | Y | L | S | K | T | L | F | E | I | T | V | - | P | L | S | Q | G | - | - | - | - | - | P | K | 197 |     |
| VEGF-D       | N | T | S | T | S | Y | I | S | K | O | L | F | E | I | S | V | - | P | L | T | S | V | - | - | - | - | - | P | E | 182 |     |
| PDGF-A       | P | S | R | V | H | H | R | S | V | K | V | A | K | V | E | Y | V | R | K | K | P | K | L | - | - | - | - | K | E | 166 |     |
| PDGF-B       | P | T | Q | V | Q | L | R | P | V | Q | V | R | K | L | E | I | V | R | K | K | P | I | F | - | - | - | - | K | K | 167 |     |
| hPDGF-C PVDV | C | V | P | - | S | K | V | T | K | K | Y | H | E | V | L | Q | L | R | P | K | T | G | V | R | G | L | H | K | S | L   | 161 |
| mPDGF-C PVDV | C | V | P | - | R | K | V | T | K | K | Y | H | E | V | L | Q | L | R | P | K | T | G | V | K | G | L | H | K | S | L   | 161 |

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |   |     |   |     |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|---|-----|---|-----|
| VEGF 165     | G | E | M | S | F | L | Q | H | N | K | - | C | E | C | R | P | K | K | - | - | - | - | - | - | - | - | - | - | D | R | 136 |     |   |     |   |     |
| PIGF-2       | V | E | L | T | F | S | Q | H | V | R | - | C | E | C | R | P | L | R | E | - | - | - | - | - | - | - | - | K | M | K | P   | E   | R | 142 |   |     |
| VEGF-B167    | G | E | M | S | L | E | E | H | S | Q | - | C | E | C | R | P | K | K | K | - | - | - | - | - | - | - | - | D | S | A | V   | K   | P | 135 |   |     |
| Pox Orf VEGF | S | F | V | E | H | K | K | - | - | - | - | C | D | C | R | P | R | F | T | - | - | - | - | - | - | - | - | T | T | P | P   | 123 |   |     |   |     |
| VEGF-C       | P | V | T | I | S | F | A | N | H | T | S | C | R | C | M | S | K | L | D | - | - | - | - | - | - | - | - | V | Y | R | Q   | V   | H | S   | I | 224 |
| VEGF-D       | L | V | P | V | K | I | A | N | H | T | G | C | K | C | L | P | T | G | P | - | - | - | - | - | - | - | - | R | H | P | Y   | S   | I | 207 |   |     |
| PDGF-A       | V | Q | V | R | L | E | E | H | L | E | - | C | A | C | A | T | I | S | L | N | P | D | Y | R | E | E | D | T | G | R | 195 |     |   |     |   |     |
| PDGF-B       | A | T | V | T | L | E | D | H | L | A | - | C | K | C | E | T | V | A | A | A | R | P | V | T | R | S | P | G | G | S | 196 |     |   |     |   |     |
| hPDGF-C PVDV | T | D | V | A | L | E | H | H | E | E | - | C | D | C | V | C | R | G | S | T | G | G | - | - | - | - | - | - | - | - | -   | 182 |   |     |   |     |
| mPDGF-C PVDV | T | D | V | A | L | E | H | H | E | E | - | C | D | C | V | C | R | G | N | A | G | G | - | - | - | - | - | - | - | - | -   | 182 |   |     |   |     |

FIG. 9B

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |     |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|-----|
| VEGF 165     | A | R | Q | E | N | P | C | G | P | C | S | S | E | R | R | K | H | L | F | V | Q | D | P | Q | T | C | K | C | S | C   | 166 |     |
| PIGF-2       | R | P | K | G | R | G | K | R | R | R | E | N | Q | R | P | T | D | C | H | L | C | G | D | A | V | P | R | R |   |     | 170 |     |
| VEGF-B167    | D | S | P | R | P | L | C | P | R | C | T | Q | H | H | Q | R | P | D | P | R | T | - | - | - | - | C | R | C | R | C   | 161 |     |
| Pox Orf VEGF | T | T | T | R | P | P | R | R | R | R |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 133 |     |
| VEGF-C       | I | R | R | S | L | R | A | T | - | L | P | Q | C | Q | A | A | N | K | I | C | P | T | N | Y | M | W | N | N | H | I   | 253 |     |
| VEGF-D       | I | R | R | S | L | O | T | P | E | E | D | E | C | P | H | S | K | K | L | C | P | I | D | M | L | W | D | N | T | K   | 236 |     |
| PDGF-A       | P | R | E | S | G | K | K | R | K | R | K | R | L | K | P | T |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 211 |     |
| PDGF-B       | Q | E | Q | R | A | K | T | P | Q | T | R | V | T | I | R | T | V | R | V | R | R | P | P | K | G | K | H | R | K | F   | 225 |     |
| hPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| mPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| VEGF 165     | K | N | T | D | S | - | R | C | K | A | R | Q | L | E | L | N | E | R | T | C | R | C | D | K | P | R | R |   |   |     | 192 |     |
| PIGF-2       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 170 |     |
| VEGF-B167    | R | R | R | S | F | L | R | C | Q | G | R | G | L | E | L | N | P | D | T | C | R | C | R | K | L | R | R |   |   |     |     | 188 |
| Pox Orf VEGF |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 133 |     |
| VEGF-C       | C | R | C | L | A | Q | E | D | F | M | F | S | S | D | A | G | D | D | S | T | D | G | F | H | D | I | C | G | P | N   | 283 |     |
| VEGF-D       | C | K | C | V | L | O | D | E | - | T | P | L | P | G | T | E | D | H | S | Y | L | O | E | P | T | L | C | G | P | H   | 266 |     |
| PDGF-A       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 211 |     |
| PDGF-B       | K | H | T | H | D | K | T | A | L | K | E | T | L | G | A |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 241 |     |
| hPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| mPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| VEGF 165     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 192 |     |
| PIGF-2       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 170 |     |
| VEGF-B167    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 188 |     |
| Pox Orf VEGF |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 133 |     |
| VEGF-C       | K | E | L | D | E | E | T | C | Q | C | V | C | R | A | G | L | R | P | A | S | C | G | P | H | K | E | L | D | R | N   | 313 |     |
| VAGF-D       | M | T | F | D | E | D | R | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -   | 273 |     |
| PDGF-A       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 211 |     |
| PDGF-B       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 241 |     |
| hPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| mPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 182 |     |
| VEGF 165     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 192 |     |
| PIGF-2       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 170 |     |
| VEGF-B167    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 188 |     |
| Pox Orf VEGF |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 133 |     |
| VEGF-C       | S | C | Q | C | V | C | K | N | K | L | F | P | S | Q | C | G | A | N | R | E | F | D | E | N | T | C | Q | C | V | C   | 343 |     |
| VEGF-D       | - | C | E | C | V | C | K | A | P | C | P | G | D | L | I | O | H | P | E | N | - | - | - | - | C | S | C | F | E | 297 |     |     |
| PDGF-A       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 211 |     |
| PDGF-B       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 241 |     |
| hPDGF-C PVDV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |     |

FIG. 9C









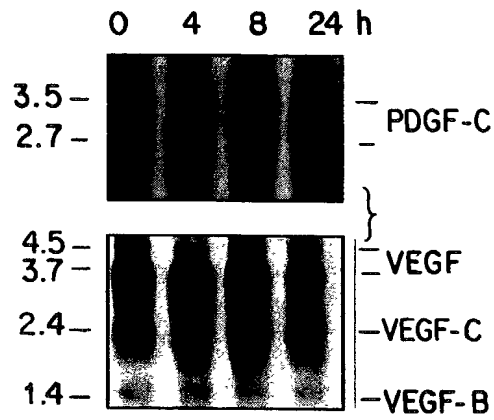


FIG. 13

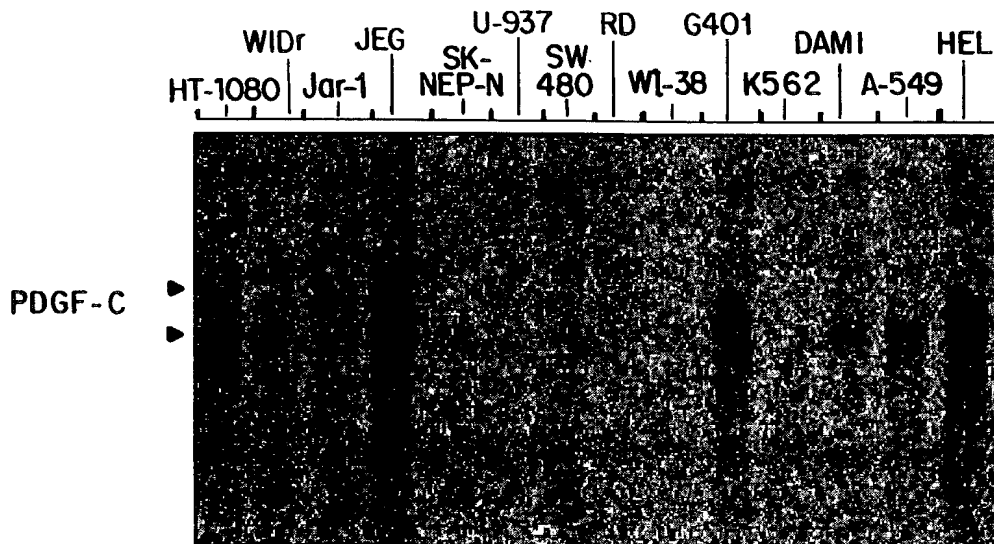


FIG.14

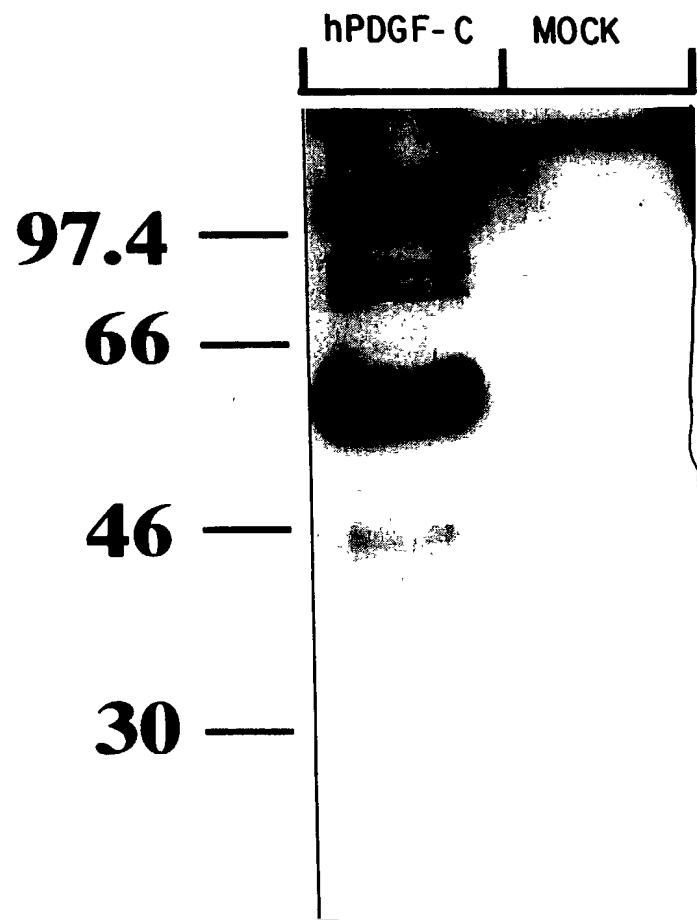


FIG. 15

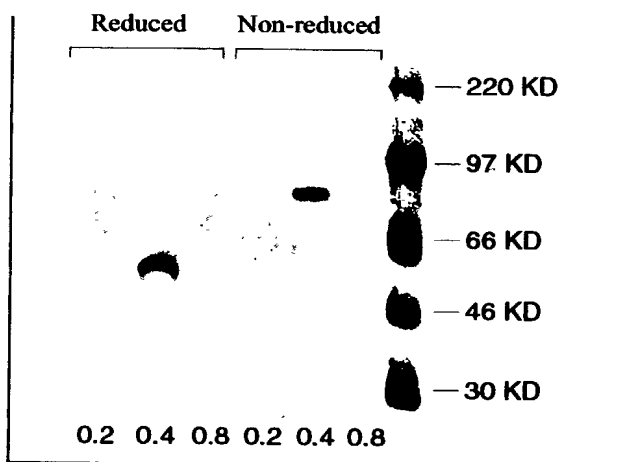


FIG. 16A

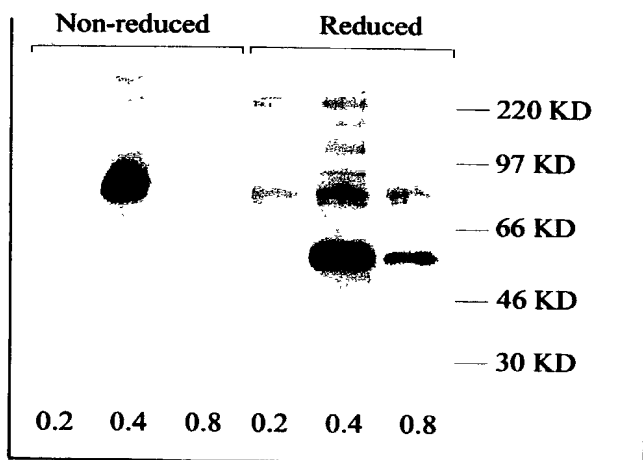


FIG. 16B

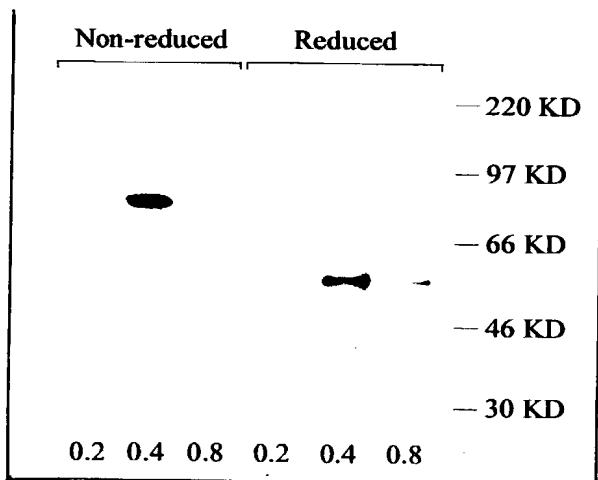
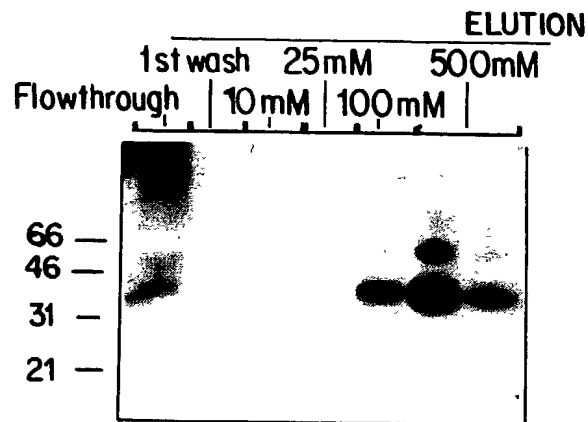
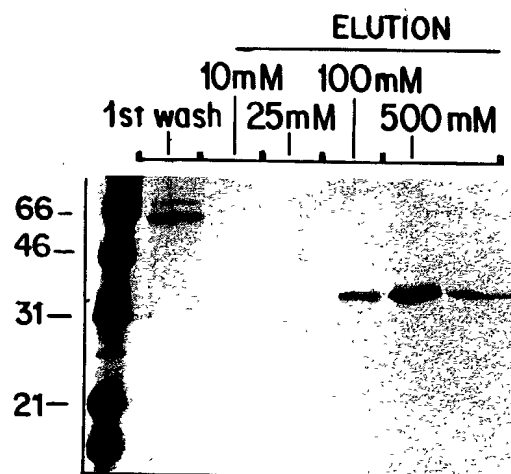


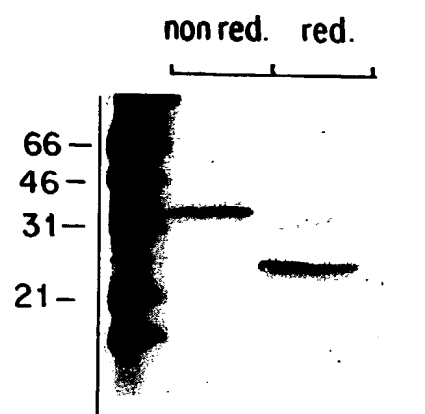
FIG. 16 C



**FIG. 17A**



**FIG. 17B**



**FIG. 17 C**

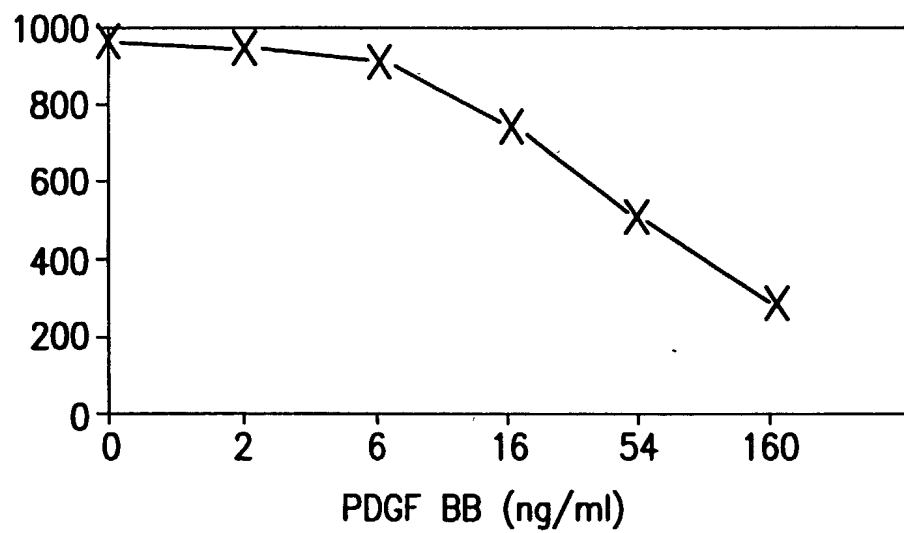


FIG. 18

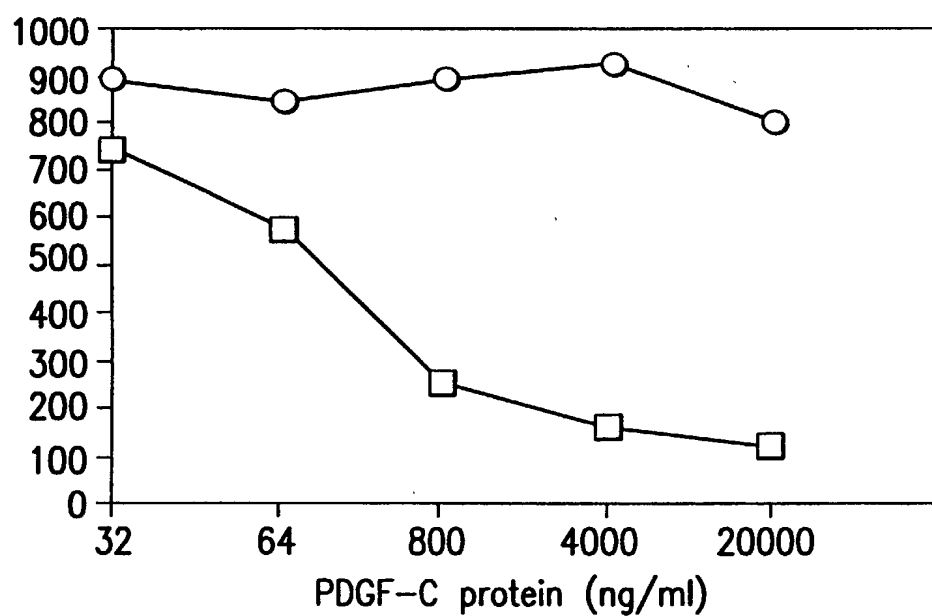
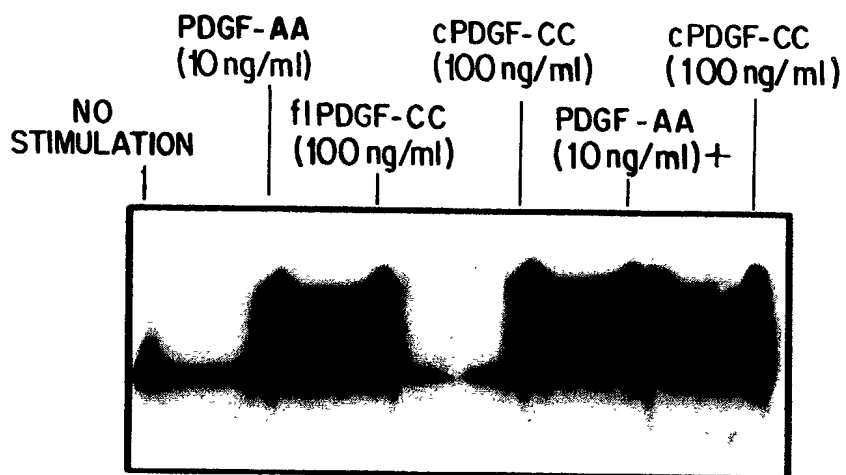


FIG. 19



IP : PDGF alpha-rec.  
IB: P-T yr

FIG . 20

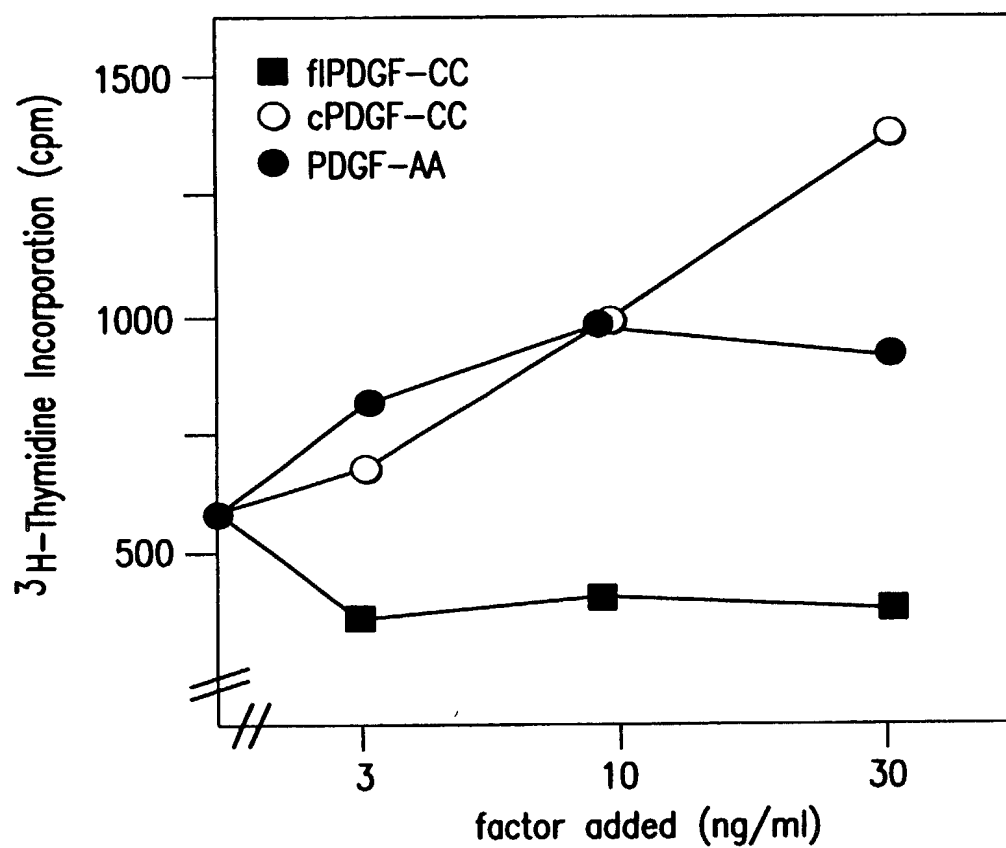


FIG. 21



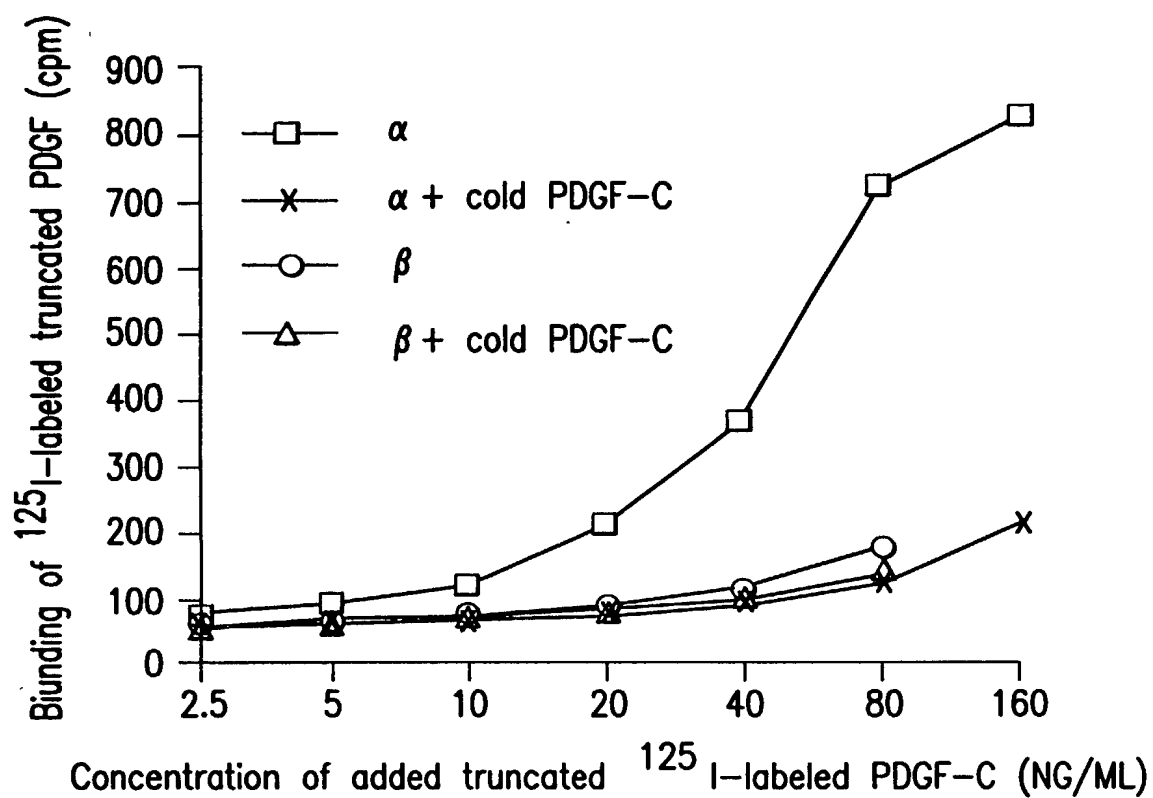


FIG. 22

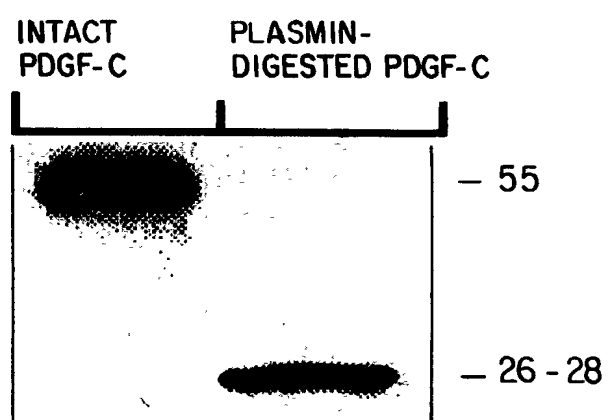


FIG. 23

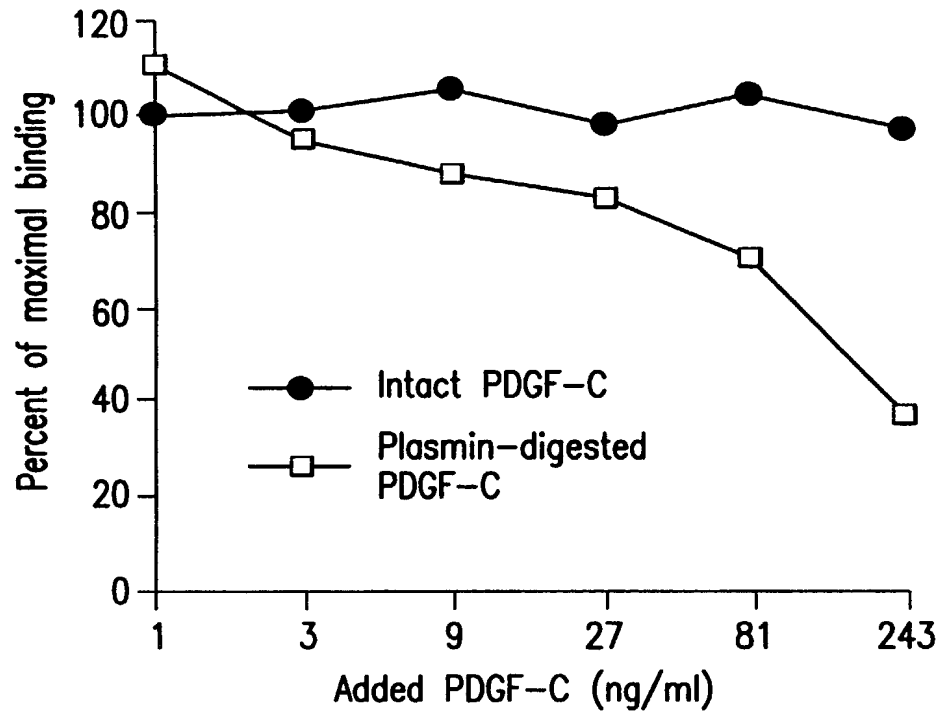


FIG. 24

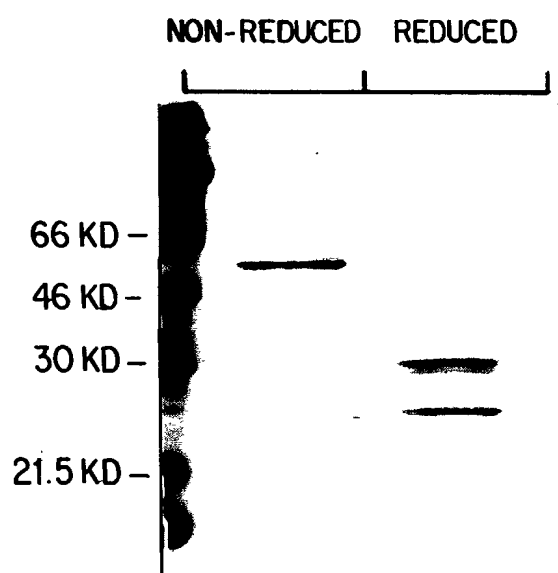


FIG. 25



FIG. 26A



FIG. 26B



FIG. 26C

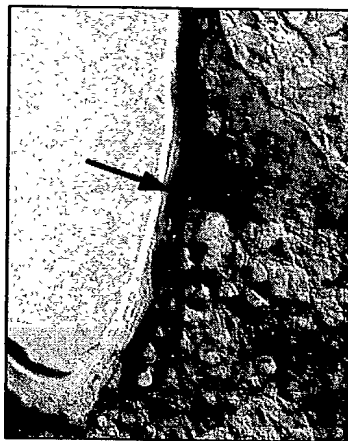


FIG. 26D



FIG. 26E

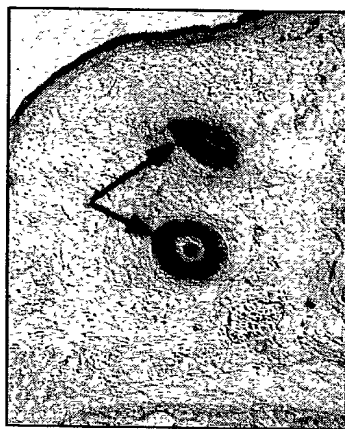


FIG. 26F



FIG. 26I



FIG. 26L

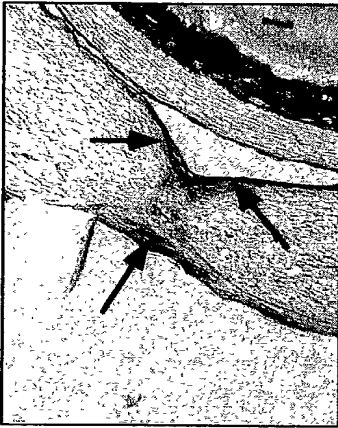


FIG. 26H



FIG. 26K



FIG. 26G

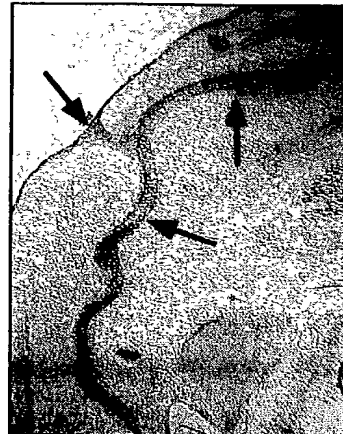


FIG. 26J

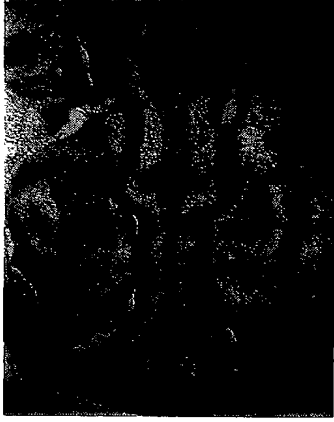


FIG. 26O



FIG. 26N

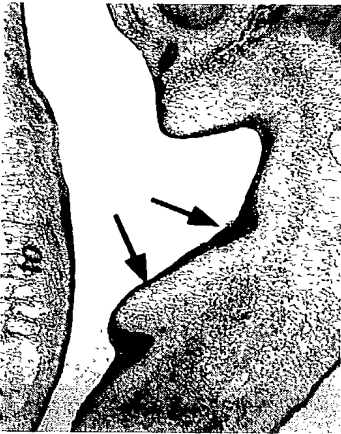


FIG. 26M

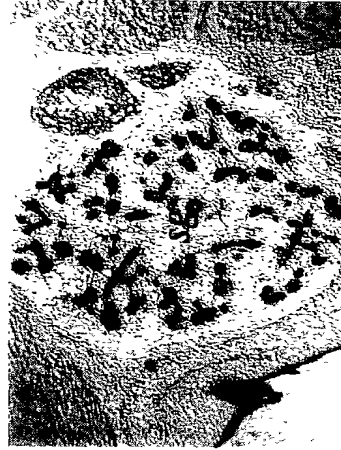


FIG. 26Q



FIG. 26P



FIG. 26 R

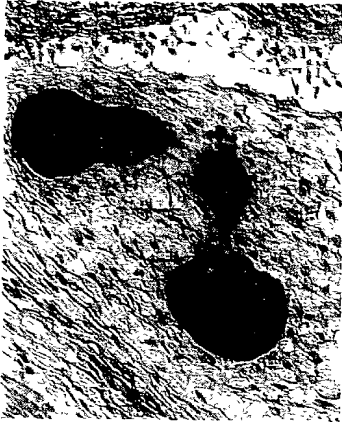


FIG. 26 S



FIG. 26 T

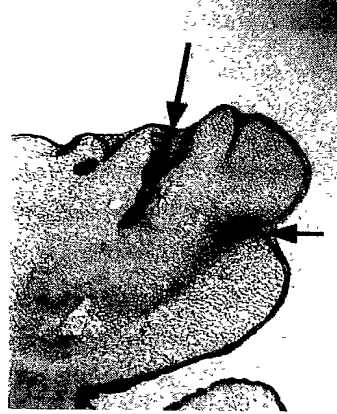


FIG. 26 U



FIG. 26 V





FIG. 27B



FIG. 27D



FIG. 27A

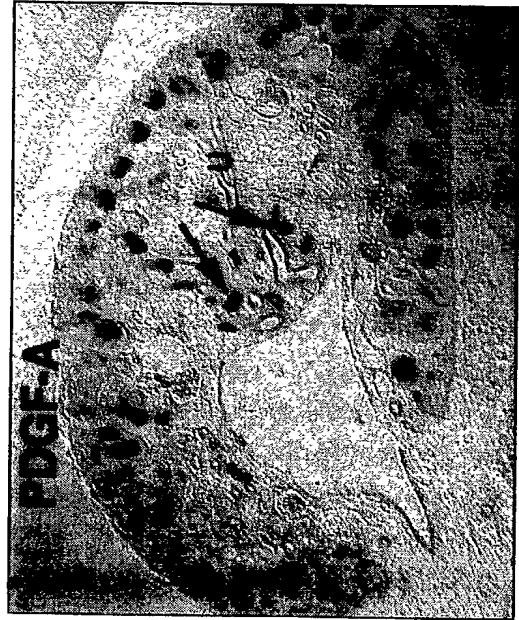


FIG. 27C



FIG. 27F



FIG. 27E



FIG. 28B

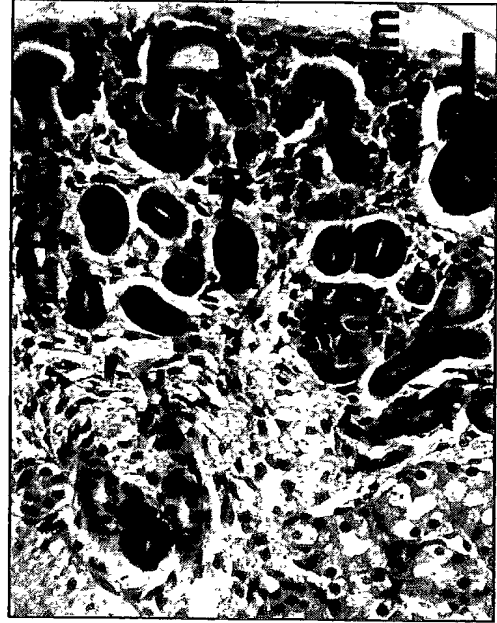


FIG. 28D



FIG. 28A

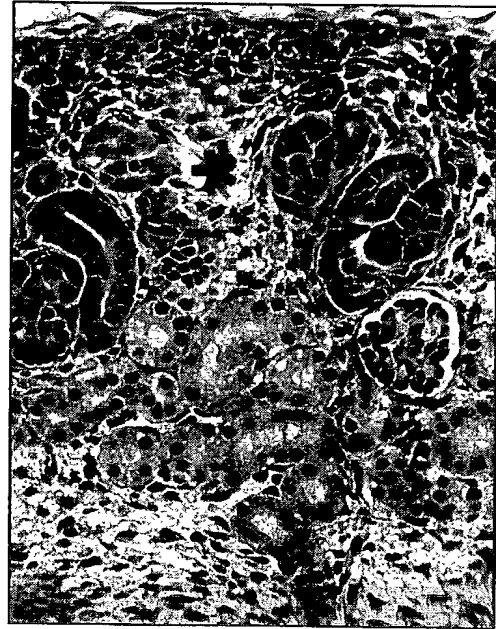


FIG. 28C

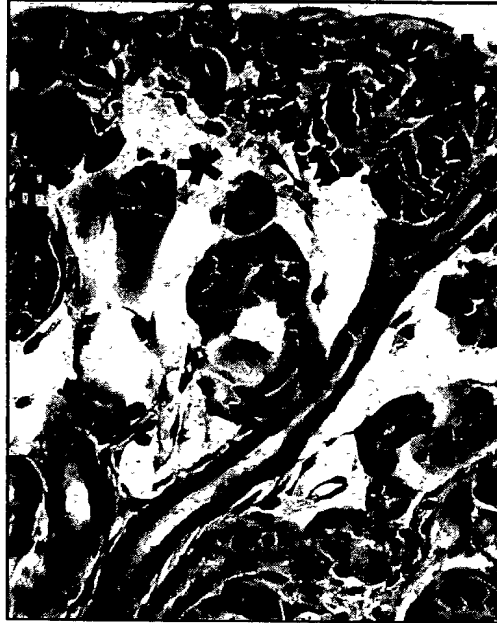


FIG. 28F



FIG. 28E

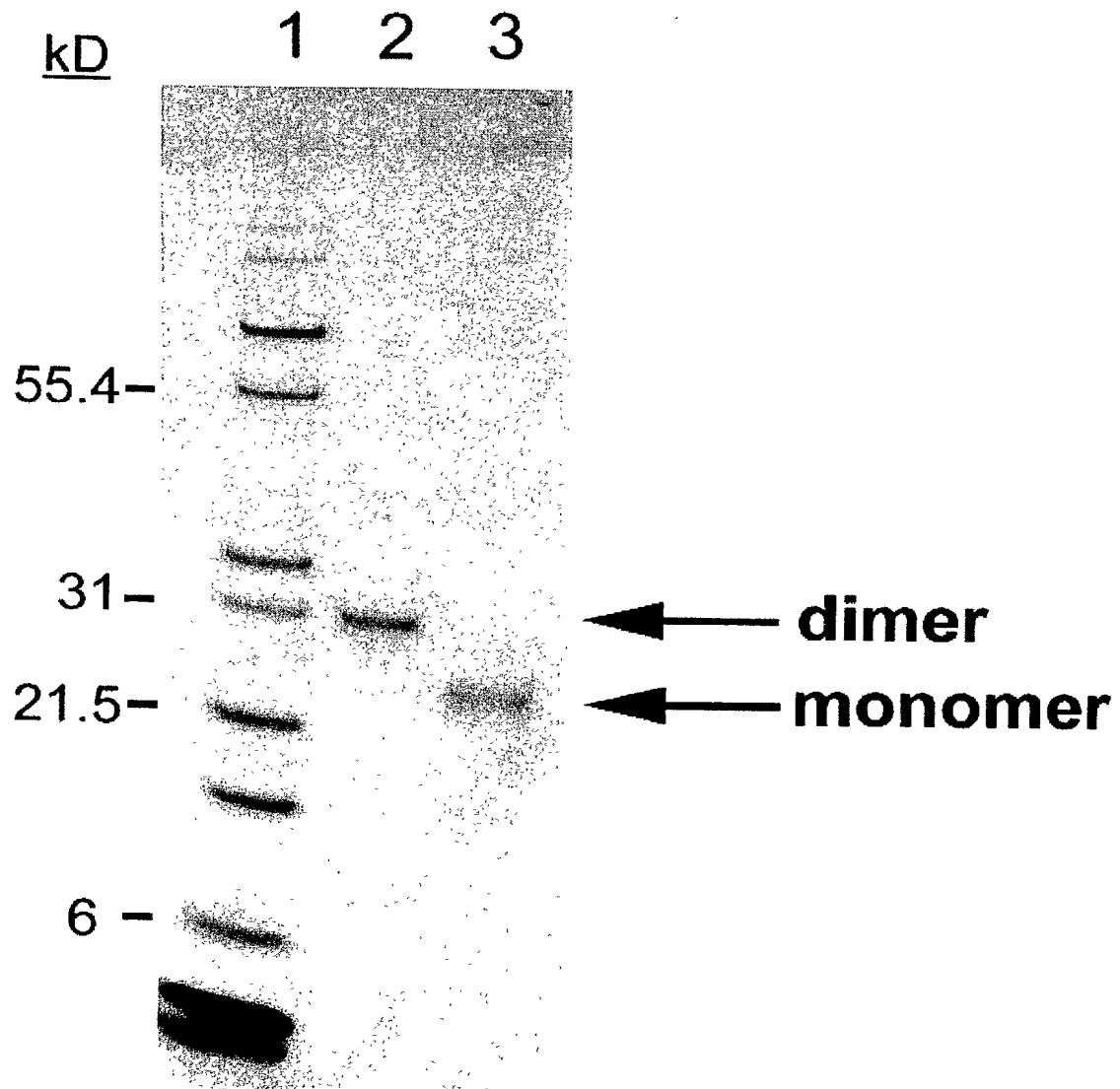


FIG. 29

FIG. 30A

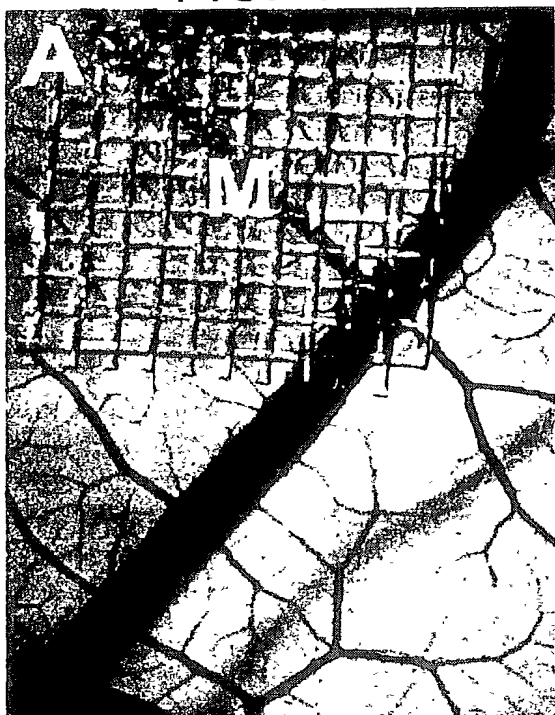


FIG. 30B

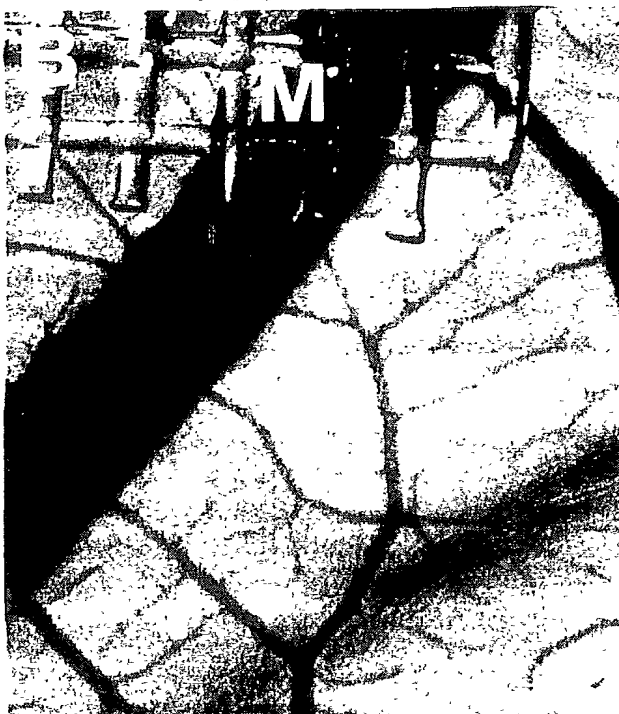


FIG. 30C

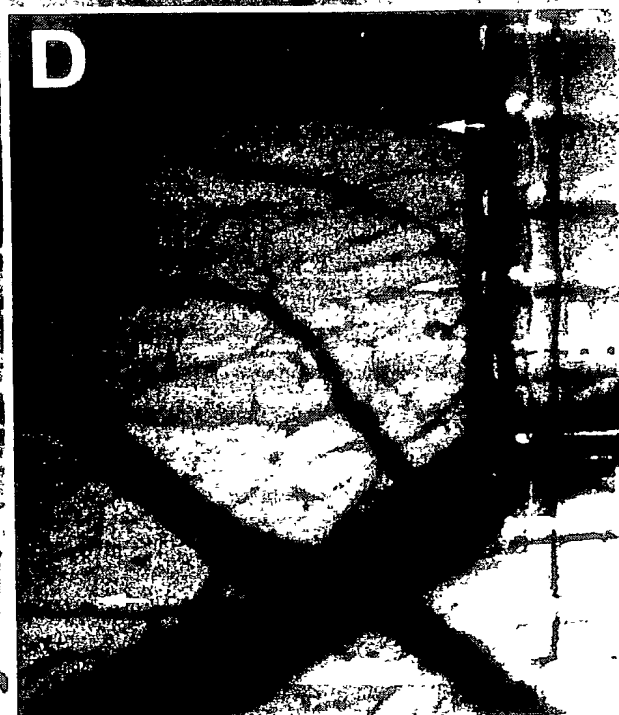


FIG. 30D

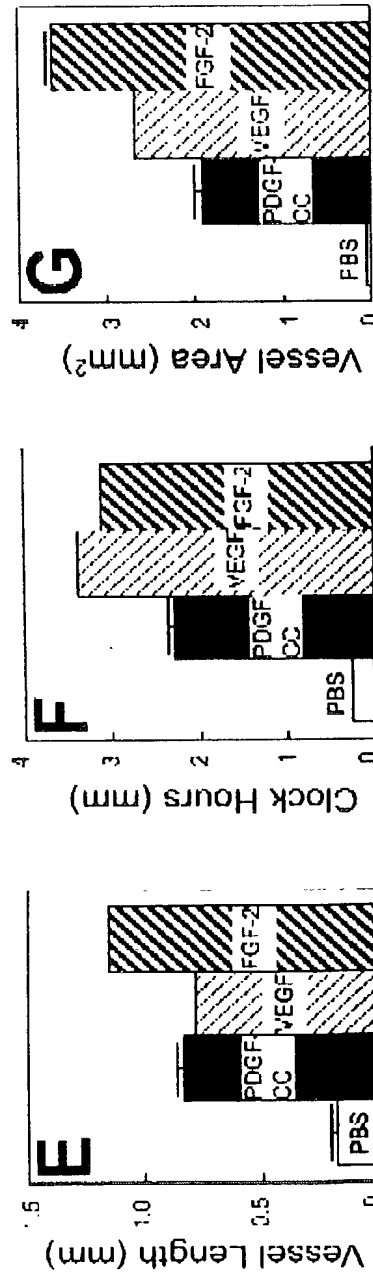
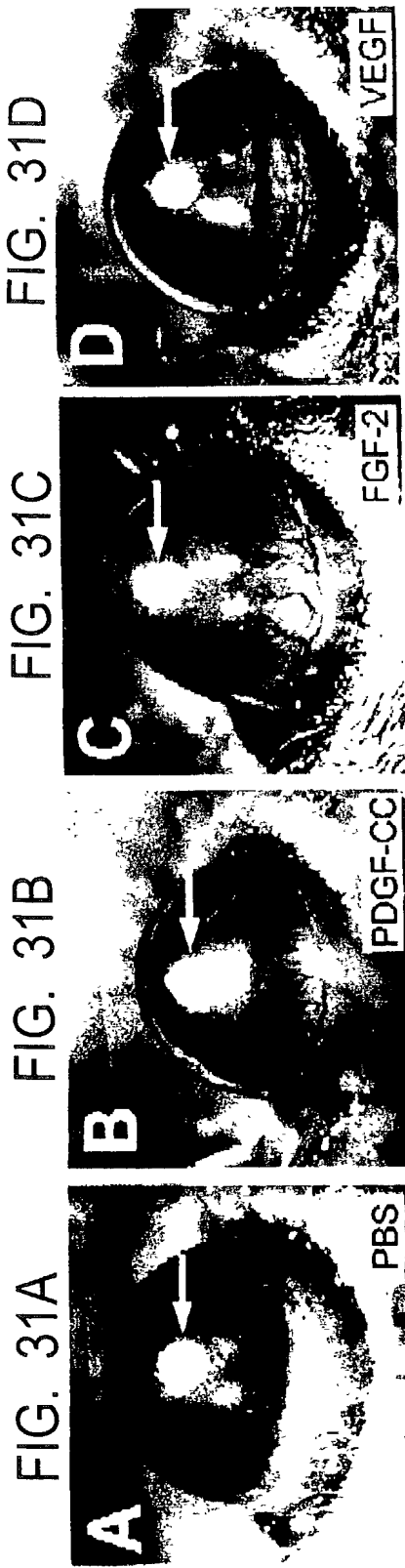


FIG. 31G

FIG. 31F

FIG. 31E

FIG. 32A

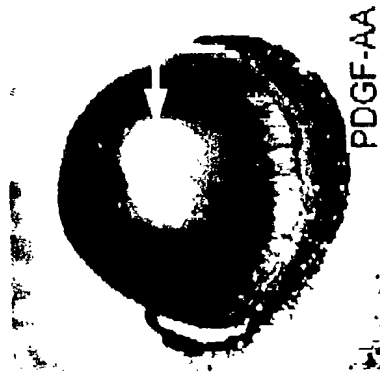


FIG. 32B

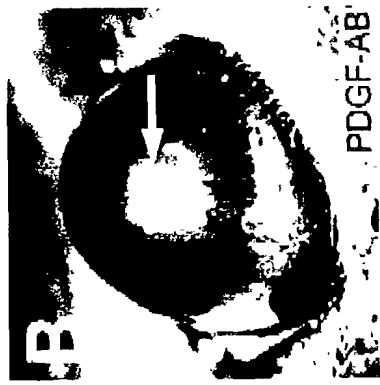


FIG. 32C



FIG. 32D

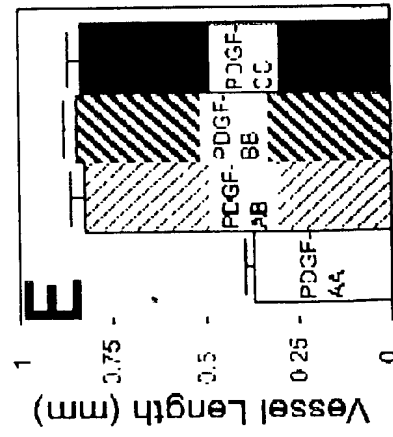


FIG. 32E

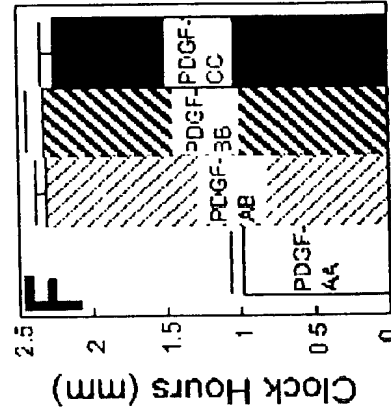


FIG. 32F

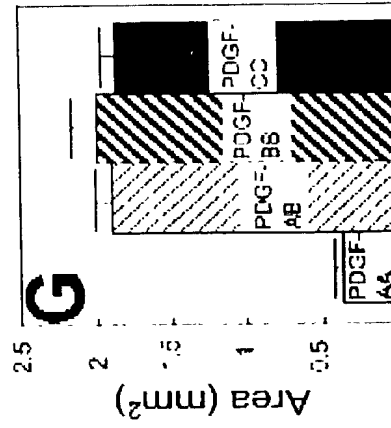


FIG. 32G



FIG. 33A



FIG. 33B

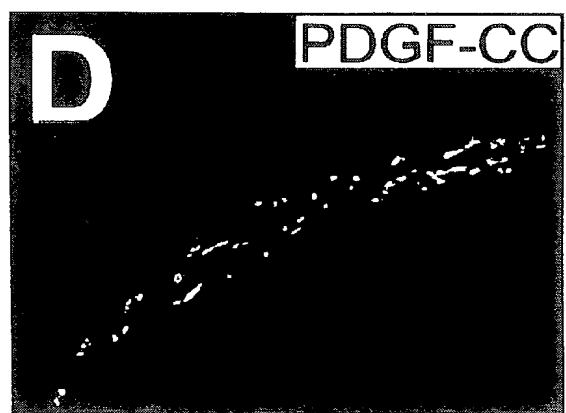


FIG. 33C

FIG. 33D

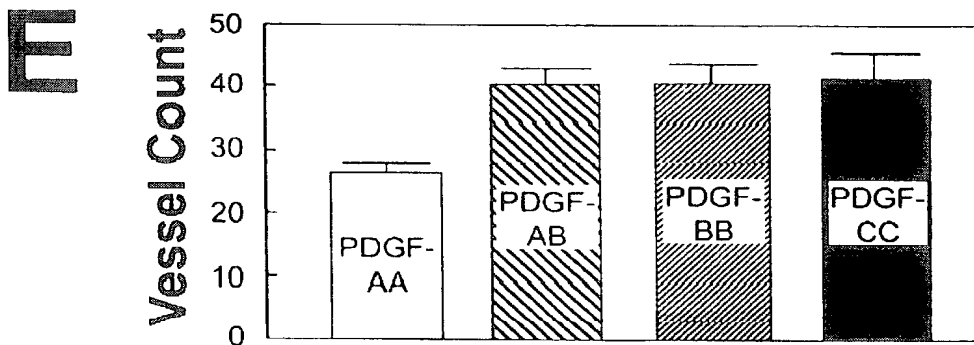


FIG. 33E